

# IAN REYES

571-421-4738 | [ir6mp@virginia.edu](mailto:ir6mp@virginia.edu) | [github.com/ianre](https://github.com/ianre) | [ianreyes.xyz](https://ianreyes.xyz)

## EDUCATION

### University of Virginia

*Bachelor's degree in Computer Science and Mathematics - GPA:3.48*

Charlottesville, VA

*Exp. graduation: May 2022*

## EXPERIENCE

### Software Developer Intern

*IBM*

May. 2021 – Aug. 2021

*Research Triangle Park, NC*

- Designed and implemented manifest structure for defining and deploying IBMCloud resources
- Collaborated with developers on other teams in IBM to ensure compatibility across several IBM products
- Participated in scrum meetings, project showcases, and networking events throughout the Summer. Engaged with the IBM community at large

### Machine Vision Research Assistant

*UVA Link Lab under Dr.Homa Alemzadeh*

Jan. 2021 – Present

*Charlottesville, VA*

- Aiding the development of a surgical robot by preparing and annotating video training data.
- Organized labeling workforce and supervised model evaluation

### Software Engineer, CTO

*Pick-Me-Up LLC*

Mar. 2020 – May. 2021

*Charlottesville, VA*

- Designed a web application and SMS chatbot for users struggling with mental health
- Directly supervised software engineer intern and coordinated meetings with potential investors
- Performed statistical analysis on business data to evaluate business decisions
- Addressed issues of scalability, security, and cost of creating and running this web service

### Computer Science Teacher

*Fairfax County Public Schools*

Jun.2016 – Jul. 2017

*Annandale, VA*

- Hired to teach a summer class about Android development with 120 total students
- Fostered creativity and teamwork in students, and achieved 90% participation rate in final presentations

## PROJECTS

### Formula SAE Telemetry System | *Raspberry Pi, WiFi modules, MegaSquirt*

Aug. 2021 – Present

- Researching and implementing telemetry system for Formula SAE race car
- Used telemetry data to analyze car performance with statistical analysis and data visualization

### mypickmeup.com | *Google Cloud Platform, React, MySQL, Twilio API, Node.js, Express*

Mar. 2020 – May. 2021

- Developed a web application with React and Node.js for a start up medical company
- Designed secure back end infrastructure to handle API requests, Login and Logout events, and provide administrator access to oversee internal processes
- Visualized patient data to show patters of improvement using statistical models

### 3D Printed Automated Greenhouse | *C++, physical sensors and motors, raspberry pi*

Oct. 2019 – May. 2020

- Designed and built an automated greenhouse with mostly printed parts powered by a raspberry pi.
- Collected data from light and humidity sensors to make predictions about plant growth.

## LEADERSHIP AND EXTRACURRICULARS

### Treasurer

*Society of Asian Scientists and Engineers*

Aug. 2021 – Present

*Charlottesville, VA*

### Mathematics Curriculum Chair

*All Girls Stem Society at UVA*

Nov.2020 – Present

*Charlottesville, VA*

### Research Coordinator

*Society of Physics Studnets at NVCC*

Aug.2019 – April. 2020

*Annandale, VA*

## TECHNICAL SKILLS

**Languages:** Golang, JavaScript, Java, Python 3, C++/C, SQL, Typescript

**Frameworks:** React, Node.js, Material-UI, Cloud Hosting and services

**Other:**Google Cloud Platform, IBMCloud, REST architecture, Autodesk CAD, Linux